



Homeland Security

CAE in Cybersecurity Symposium

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Integrate Cybersecurity in the Classroom

Encourage cyber knowledge and interest early...

Integrate real world cyber scenarios into K-12 science, math, and liberal arts

Get on board:

- 11 year-long courses plus modular project-driven content
- 2,070+ content hours
- 12,000+ teachers use the curricula impacting more than 1,500,000 students across the U.S.
- Workshops for teachers
- Cybersecurity Summer Camps



Download the free curricula: nicerc.org

- Project-based learning
- Teacher and master notes
- Student workbooks
- Quizzes, worksheets, assessments
- No cybersecurity training needed

Middle and High School Cybersecurity Curriculum funded by DHS



It's all on NICCS™

The Nation's One Stop Shop for Cybersecurity Careers and Studies!

- ✓ 30,000+ visitors per month
- ✓ Almost 5,000 courses in the NICCS Training Catalog mapped to the National Cybersecurity Workforce Framework
- ✓ 100+ links to cybersecurity resources
- ✓ 15+ tools for managers, including a Cybersecurity Workforce Development Toolkit
- ✓ 10+ monthly events
- ✓ 10+ links to customized job searches



Visit: <https://niccs.us-cert.gov>



Exploring the NICE Framework

Official website of the Department of Homeland Security

NICCS™
NATIONAL INITIATIVE FOR CYBERSECURITY CAREERS AND STUDIES

Training ∨ Formal Education ∨ Workforce Development ∨ About NICCS ∨

Cybersecurity Resources
Mapping Tool
NICE Cybersecurity Workforce Framework
Workforce Development Library

Get Ready! National Cybersecurity Awareness (NCSAM) 2018 is Quickly Approaching






The Department of Homeland Security (DHS), in collaboration with the National Cyber Security Alliance (NCSA), is excited to spend October raising awareness about the importance of cybersecurity.

[Continue Reading ▶](#)

<https://niccs.us-cert.gov/workforce-development>

NICE Cybersecurity Workforce Framework Mapping Tool

The tool will:

-  **Help you inventory** your cyber workforce and begin workforce planning
-  **Enable you to print** out a report to use for workforce development
-  **Prepare to report** OPM cyber position coding ("OPM Data Element" requirements)
-  **Determine the skills** and type of training your team needs
-  **See where your staff** may be underutilized








[Add a Job Description](#)

Visit: <https://niccs.us-cert.gov>

Job Description Framework Alignment

Complete the questionnaire below to describe the position. Fields marked with an asterisk (*) are required.

Select the statements below that best describe this position's work at a high level (choose up to 3) *

-  **Analyze** - Performs highly-specialized review and evaluation of incoming cybersecurity information to determine its usefulness for intelligence.
-  **Collect and Operate** - Provides specialized denial and deception operations and collection of cybersecurity information that may be used to develop intelligence.
-  **Investigate** - Investigates cybersecurity events or crimes related to information technology (IT) systems, networks, and digital evidence.
-  **Operate and Maintain** - Provides the support, administration, and maintenance necessary to ensure effective and efficient information technology (IT) system performance and security.
-  **Oversee and Govern** - Provides leadership, management, direction, or development and advocacy so the organization may effectively conduct cybersecurity work.
-  **Protect and Defend** - Identifies, analyzes, and mitigates threats to internal information technology (IT) systems and/or networks.
-  **Securely Provision** - Conceptualizes, designs, procures, and/or builds secure information technology (IT) systems, with responsibility for aspects of system and/or network development.

Select the statements below that most specifically describe the position's work (choose up to 3) *

Select Some Options

Select all functional areas that apply

- Intelligence Community (IC)
- Law Enforcement (LE)
- Legal
- Acquisition, Procurement, Resource Management, Budgeting, or Finance
- Technical
- SL/SES/GO/FO

Select all tasks performed by this position *

Number of Roles Alignment Progress

18

18/52



NICCS CAE Highlights



[Home](#) > [Formal Education](#) > CAE Highlights

CAE Highlights



Capitol Technology University, Laurel, MD



Fayetteville Technical Community College, Fayetteville, NC

Highlighting the National Centers of Academic Excellence (CAE)

The Department of Homeland Security (DHS) and the National Security Agency (NSA) jointly sponsor the National Centers of Academic Excellence (CAE) in Cyber Defense program. Community colleges and 4-year colleges and universities are designated by top subject matter experts in the cyber defense field based on strength of degree

Other Useful Links

[About National Centers of Academic Excellence \(CAE\)](#)

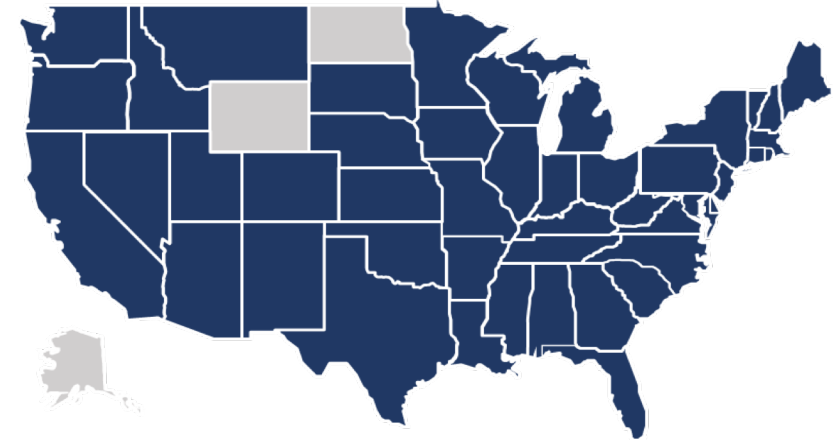
[Search courses from National CAE Designated Institutions](#)

Visit: <https://niccs.us-cert.gov/formal-education/cae-highlights>



College and Scholarship Resources

Encourage students to apply to **National Centers of Academic Excellence (CAE)** institutions with top cybersecurity programs



266 CAEs in 47 states,
D.C., and Puerto Rico

Share information about the **CyberCorps® Scholarship for Service (SFS)** program with college students looking for careers in cybersecurity

Since 2011, 3,500 students have completed the program at 70 SFS schools



Contact us

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